

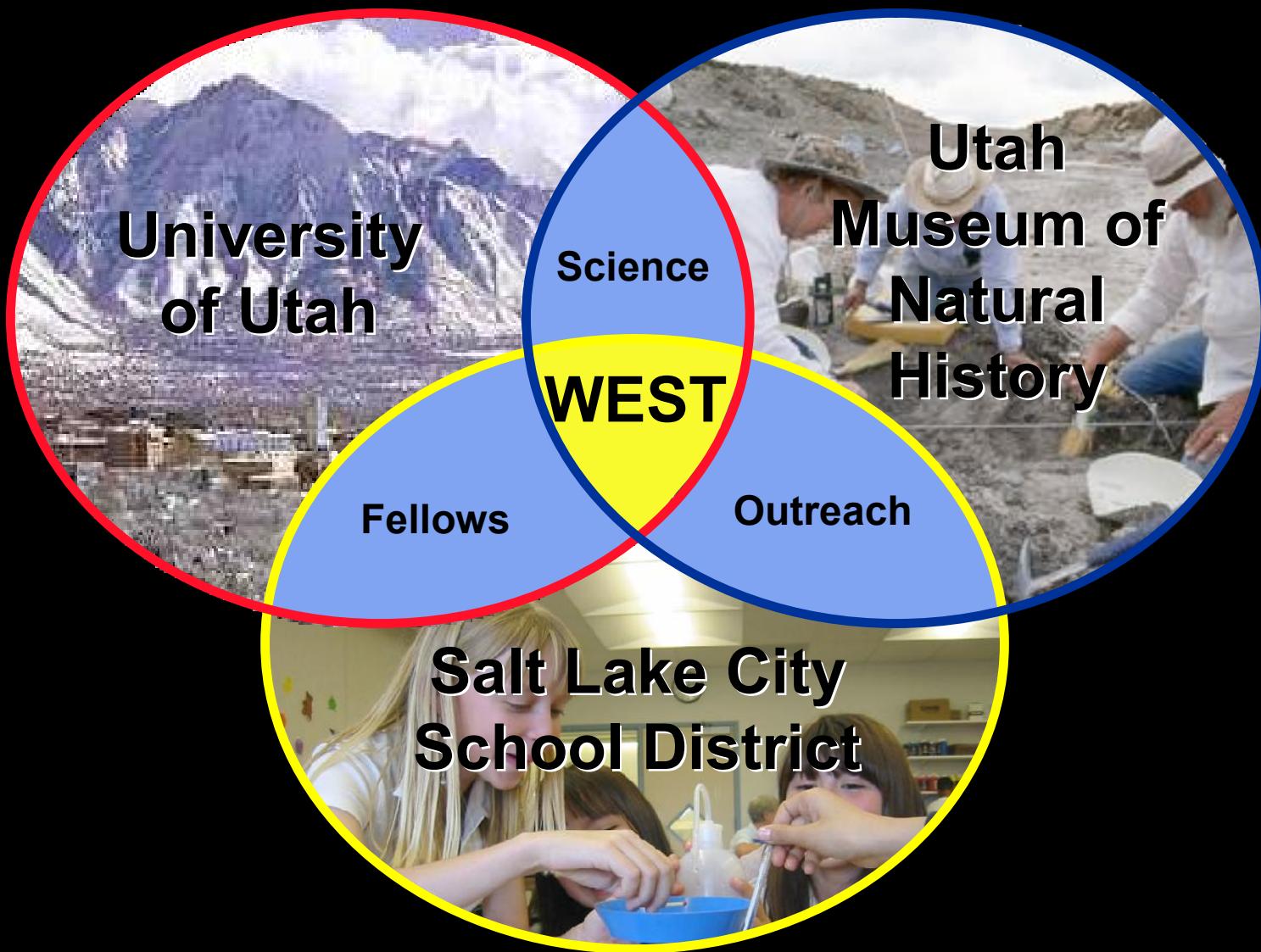
Great Salt Lake

Journey to the Deep Brine Layer

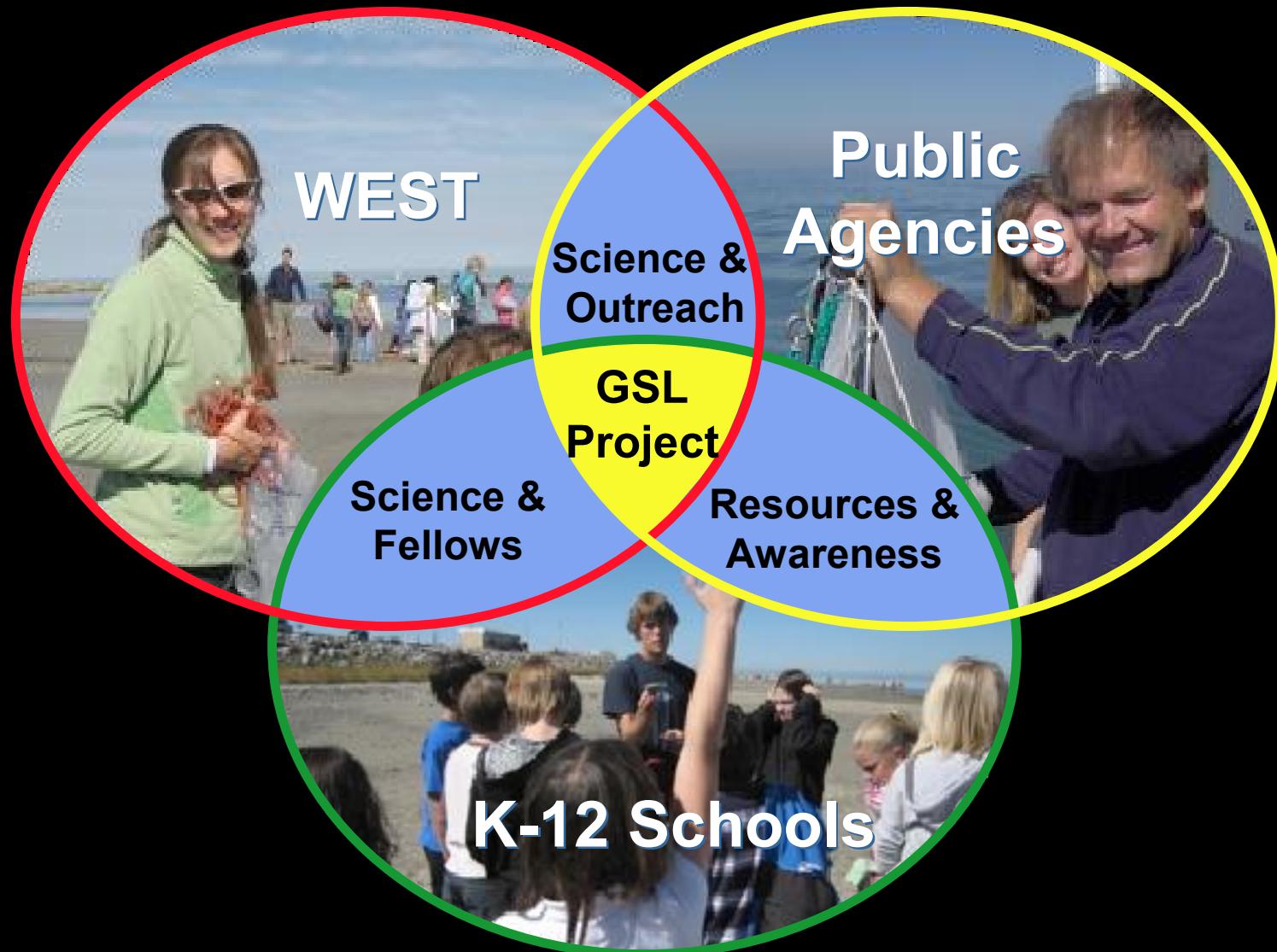


A Joint K-12 Outreach Project
WEST, EAST, USGS,
GSLWQ Steering Committee, & U of U Bennion Center

The WEST Program



The GSL Water Quality K-12 Project



Major Contributors

- GSL Water Quality Steering Committee - \$10,000
- USGS - Equipment, technical and scientific support
- Bennion Center - \$10,000
- SLC School District - Buses
- WEST - supplies, over 1,000 man-hours



Goals

- Authentic K-12 science experience
- Hands-on
- Exposure to real researchers
- Awareness of GSL ecosystem
- Community involvement



Field Trip



Onshore
observations

Research cruise



Station 1

Navigation & Bathymetry

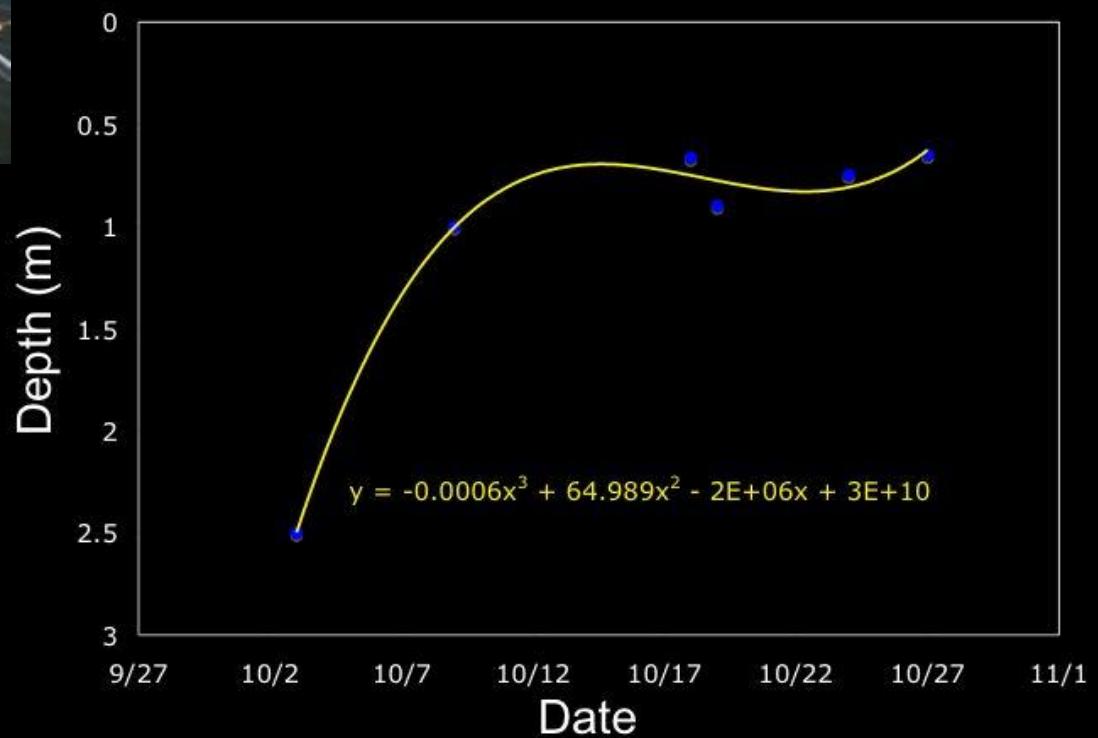


Station 2

Lake Depth and Clarity



Data: Average Secchi Disk Depth in Great Salt Lake vs. Time

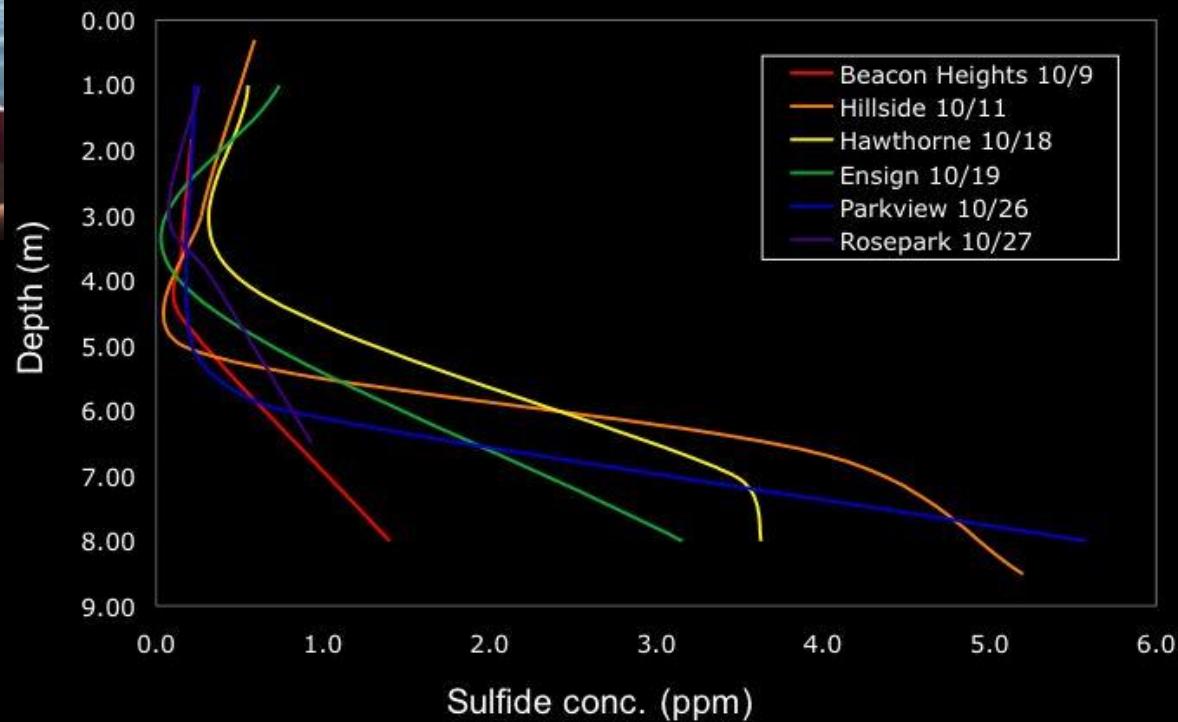


Station 3

Temperature, Sulfide & Chlorophyll



Data: Sulfide Concentrations in Great Salt Lake



Station 4 Density



Station 5

Brine Shrimp



Station 6

Shorelines & Ooids



Antelope Island...sans boat



Community Involvement



Impacts

- Raised awareness of GSL ecosystem for:

22 Schools

25 teachers

Dozens of parents

Over 1,500 students

- Provided tangible evidence of ecosystem connections

- Tied together core curriculum concepts with meaningful activities

- Involved the scientific community and government agencies in K-12 education

